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Substitute for Form 1449/PTO

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Sheet	1	of	1
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Complete if Known

Application Number	10/623,686
Filing Date	July 21, 2003
First Named Inventor	Stephen A. FACTOR et al.
Art Unit	Not Assigned
Examiner Name	Not Assigned
Attorney Docket Number	EI-7597

U. S. PATENT DOCUMENTS

[illegible]**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T*
		Country Code ² -Number ⁴ -Kind Code ⁶ (if known)				
CD		EP 0 268 353 A1	05-25-1988	Doyle et al.		
CD		EP 1431 372 A2	06-23-2004	Aradi et al.		

**Examiner
Signature**

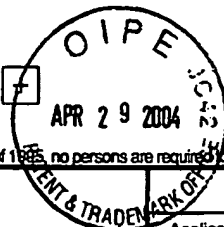
Date Considered

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Substitute for form 1448A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 5

Complete If Known

Application Number	10/623,686
Filing Date	July 21, 2003
First Named Inventor	Steve A. Factor, et al.
Group Art Unit	1714
Examiner Name	Not Assigned
Attorney Docket Number	EI-7597

U.S. PATENT DOCUMENTS

Examiner Initials *	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
CDT		US 6,361,754 B1		Peter-Hoblyn et al.	3/26/2002	
		US 6,200,358 B1		Fleischer et al.	3/13/2001	
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		5,944,858		Wallace	8/31/1999	
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		5,924,280		Tarabulski	7/20/1999	
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CDT		5,819,529		Peter-Hoblyn	10/13/1998	
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		5,809,775		Tarabulski et al.	9/22/1998	
		5,809,774		Peter-Hoblyn et al.	9/22/1998	
		5,758,496		Rao et al.	6/2/1998	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
CDT		EP	0 466 512	B1	Leeper	6/29/94		
		EP	0 507 510	A1	Hollrah, Don Paul et al	10/07/92		
		EP	0 667 387	A2	Perry, Newton A. et al	8/16/1995		
CDT		EP	0668 899	B1	Peter-Hoblyn et al	09/20/00		

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Date
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12/05

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Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 2 of 5

Complete if Known

Application Number	10/623,686
Filing Date	July 21, 2003
First Named Inventor	Steve A. Factor, et al.
Group Art Unit	1714
Examiner Name	Not Assigned
Attorney Docket Number	EI-7597

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			
CST		5,732,548		Peter-Hoblyn	3/31/1998	
		5,679,116		Cunningham et al.	10/21/1997	
		5,599,357		Leeper	2/4/1997	
		5,584,894		Peter-Hoblyn et al.	12/17/1996	
		5,551,957		Cunningham et al.	9/3/1996	
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		5,113,803		Hollran et al.	5/19/1992	
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		4,955,331		Hohr et al.	9/11/1990	
		4,946,609		Pruess et al.	8/7/1990	
		4,908,045		Farrar	3/13/1990	
		4,891,050		Bowers et al.	1/2/1990	
		4,804,388		Kukin	2/14/1989	
		4,674,447		Davis	6/23/1987	
CST		4,670,020		Rao	6/2/1987	
		4,664,677		Dorer, Jr. et al.	5/12/1987	
		4,588,416		Zaweski et al.	5/13/1986	
		4,588,357		Simon	2/4/1986	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
CST		EP	1 368 444	A1	Openshaw et al.	12-10-2003		
		WO	02/48293	A1	Roos et al.	06-20-2002		

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
Application Number		10/623,686			
Filing Date		July 21, 2003			
First Named Inventor		Steve A. Factor, et al.			
Group Art Unit		1714			
Examiner Name		Not Assigned			
Attorney Docket Number		EI-7597			
Sheet	3	of	5		

U.S. PATENT DOCUMENTS						
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		Number	Kind Code ² (if known)			
CST		4,474,580		MacKenzie et al.	10/2/1984	
		4,390,345		Somorjai	6/28/1983	
		4,317,657		Niebylski	3/2/1982	
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		4,104,036		Chao et al.	8/1/1978	
		4,036,605		Hartle	7/19/1977	
		2,818,417		Brown et al.	12/31/1957	
		2,151,432		Lyons et al.	3/21/1939	
CST		2,086,775		Lyons et al.	7/13/1937	
		20020112466		Roos et al.	8/22/2002	
		20030177758		Roos et al.	11/25/2003	
		6,206,685		Zamansky, et al.	3/27/2001	
		6,039,772		Orr	3/21/2001	

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ₆
		Office ³	Number ⁴	Kind Code ⁵ (if known)				

Examiner Signature		Date Considered	12/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/623,686
		Filing Date	July 21, 2003
		First Named Inventor	Steve A. Factor, et al.
		Group Art Unit	1714
		Examiner Name	Not Assigned
Sheet 4 of 5	Attorney Docket Number	EI-7597	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
CDT		Faix, Louis J.; A study of the Effects of Manganese Fuel Additive on Automotive Emissions; SAE [Tech. Pap.], 780002, pp. 1-12 <i>Date unknown</i>	
		Fekete, Nicholas; Gruden, Igor; Voigtlander, Dirk; Nester, Ulrich; Krutzsch, Bernd; Willand, Jurgen; and Kuhn, Michael; Advanced Engine Control and Exhaust Gas Aftertreatment of a Leanburn SI Engine; SAE [Tech. Pap.] 972873; pp. 1-10 <i>Date unknown</i>	
		Valentine, James M.; Clean Diesel Technologies Inc. Announces Test Results of Platinum/Cerium Diesel Fuel Additive; 203/327-7050, article in Diesel/Net News; 9/20/2002, pp. 1-2.	
		Eastwood, Peter; Critical Topics in Exhaust Gas Aftertreatment; Research Studies Press Ltd. (2000), pp. 215-218	
		Lenane, D. L.; Effect of MMT on Emissions from Production Cars; SAE [Tech. Pap.], 780003, pp. 1-20	
		Lenane, D. L.; Effect of a Fuel Additive on Emission Control Systems; sae [Tech. Pap.] 902097, pp. 1-17	
		Farrauto, Robert J.; Mooney, John J.; Effects of Sulfur on Performance of Catalytic Aftertreatment Devices; SAE [Tech. Pap.] 920557, pp. 1-7	
		Jelles, S.J.; Makkee, M.; Moulijn, J.A.; Acres, G.J.K.; and Peter-Hoblyn, J.D.; Diesel Particulate Control. Application of an Activated Particulate Trap in Combination with Fuel Additives at an Ultra Low Dose Rate; SAE [Tech. Pap.], 1999-01-0113, pp. 1-6	
		Eolys™ Fuel-Borne Catalyst for Diesel Particulates Abatement: A Key Component of an Integrated System, DieselNet Technical Report, Sept. 1999, pp.1-9.	
CDT		Guyon, M.; Blejean, F.; Bert, C.; LeFaou, PH.; Impact of Sulfur on Nox Trap Catalyst Activity-Study of the Regeneration Conditions; SAE [Tech. Pap.] 982607, pp. 87-95	

Examiner Signature		Date Considered	12/05
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		Filing Date	July 21, 2003
		First Named Inventor	Steve A. Factor, et al.
		Group Art Unit	1714
		Examiner Name	Not Assigned
Sheet 5 of 5	Attorney Docket Number	EI-7597	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
COT		Arakawa, Kenji; Matsuda, Satoshi; and Kinoshita, Hiroo; Progress in Sulfur Poisoning Resistance of Lean NOx Catalysts; SAE [Tech. Pap.] 980930, pp. 111-118	
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		Aradi, Allen A.; Roos, Joseph W.; Fort, Jr., Ben F.; Lee, Thomas E.; and Davidson, Robert I.; The Physical and Chemical Effect of Manganese Oxides on Automobile Catalytic Converters; SAE [Tech. Pap.] 940747, pp. 207-218 <i>Date unknown</i>	
		Baile, J. D.; Michalski, G. W.; Unzelman, G. H., MMT-A Versatile Antiknock; Nati. Pet. Refiners Assoc., [Tech. Pap.], AM-78-36, pp. 1-20 <i>Date unknown</i>	
		Valentine, James M.; Peter-Hoblyn, Jeremy D.; and Acres, G.K., Emissions Reduction and Improved Fuel Economy Performance from a Bimetallic Platinum/Cerium Diesel Fuel Additive at Ultra-Low Dose Rates; SAE [Tech. Pap.], 2000-01-1834, pp. 1-9	
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		Stultz, S.C., Kitto, J.B., Editors; "NOx Formation conditions"; Babcock & Wilcox, a McDermott Company: Steam, its generation and use. 40th ed., p. 34-4 to 34-9. 1992.	
COT		MILLER, R. et al., "A Super-Extended Zel'dovich Mechanism for NOx modeling and Engine Calibration," SAE Technical Paper 980781, 1998.	

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